## Claims

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	[c1]	A method, comprising the steps of: establishing a plurality of virtual machines;
		establishing a plurality of partitions of processor time;
		assigning each virtual machine of the plurality of virtual machines to a
		partition of the plurality of partitions;
		running, on a single processor, each virtual machine during its assigned
		partition; and
		determining whether a virtual machine has any action to perform during its
		assigned partition and will thus be inactive during its assigned partition.
	[c2]	The method of claim 1, wherein at least one virtual machine of the plurality
		of virtual machines comprises a JAVA virtual machine.
	[c3]	The method of claim 1, wherein the plurality of virtual machines comprises a
		plurality of JAVA virtual machines.
	[c4]	The method of claim 1, wherein said assigning step takes into account
		results of prior determining steps in making assignments of virtual machines
		to partitions.
	[c5]	The method of claim 1, further comprising the step of establishing a plurality
		of partitions of processor memory.
	[c6]	The method of claim 1, further comprising the step of placing the single
		processor into a reduced power mode during a partition assigned to a virtual
		machine that has been determined to be inactive by said determining step.
	[c7]	The method of claim 6, wherein at least one virtual machine of the plurality
		of virtual machines comprises a JAVA virtual machine.
	[c8]	The method of claim 6, wherein the plurality of virtual machines comprises a
		plurality of JAVA virtual machines.
	[c9]	The method of claim 6, wherein the reduced power mode is terminated at

the end of the partition assigned to the inactive virtual machine.

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- [c10] The method of claim 1, further comprising the step of reassigning, to another virtual machine, a partition previously assigned to a virtual machine that has been determined to be inactive by said determining step.
- [c11] The method according to claim 10, wherein said reassigning step assigns a partition associated with an inactive virtual machine to the virtual machine assigned to the next partition.
- [c12] The method according to claim 10, wherein said reassigning step assigns a partition associated with an inactive virtual machine to the next occurring partition that has been assigned to a virtual machine determined not to be inactive.
- [c13] A computing apparatus, comprising:

a memory component storing code establishing a plurality of virtual machines, establishing a plurality of partitions of processor time, assigning each virtual machine of the plurality of virtual machines to a specific partition of the plurality of partitions, and determining whether a virtual machine has any action to perform during its assigned partition and will thus be inactive during its assigned partition;

a processor, coupled with said memory component, said processor being capable of running each virtual machine during its assigned partition and of running code stored on said memory component; and wherein said memory component also stores code placing said processor into a lower power mode during a partition assigned to an inactive virtual machine.

- [c14] The apparatus according to claim 13, wherein said processor comprises an embedded, low power processor.
- [c15] The apparatus according to claim 13 wherein said processor comprises a JAVA processor.
- [c16] The apparatus according to claim 13, wherein said processor comprises an embedded, low power JAVA processor.

[c19]

[c17] The apparatus according to claim 13, wherein said processor comprises an al-80 processor.

[c18] The apparatus according to claim 13, wherein said processor comprises an aj-100 processor.

A computing apparatus, comprising: a memory component storing code establishing a plurality of virtual machines, establishing a plurality of partitions of processor time, assigning each virtual machine of the plurality of virtual machines to a specific partition of the plurality of partitions, and determining whether a virtual machine will be inactive during its assigned partition; a processor, coupled with said memory component, to run each virtual

> memory component; and wherein said memory component also stores code activating a subsequent virtual machine during a partition assigned to an inactive virtual machine.

machine during its assigned partition and to run code stored on said

[c20] A computing apparatus, comprising:

> means for storing code establishing a plurality of virtual machines, establishing a plurality of partitions of processor time, assigning each virtual machine of the plurality of virtual machines to a specific partition of the plurality of partitions, and determining whether a virtual machine has any action to perform during its assigned partition; means for processing, coupled with said means for storing, said means for processing running each virtual machine during its assigned partition and running code stored on said means for storing; and wherein said means for storing also stores code placing said means for processing into a reduced power mode for the duration of a partition that has been determined to have an inactive virtual machine.

(c211 A computing apparatus, comprising: means for storing code establishing a plurality of virtual machines, establishing a plurality of partitions of processor time, assigning each virtual machine of the plurality of virtual machines to a specific partition of the plurality of partitions, and determining whether a virtual machine has any action to perform during its assigned partition; means for processing, coupled with said means for storing, said means for processing running each virtual machine during its assigned partition and running code stored on said means for storing; and wherein said means for storing also stores code reassigning, to another virtual machine, a partition previously assigned to a virtual machine that has been determined to be inactive.

[c22] A computer-readable storage medium, comprising:

a computer-executable code for establishing a plurality of virtual machines, establishing a plurality of partitions of processor time, assigning each virtual machine of the plurality of virtual machines to a specific partition of the plurality of partitions, determining whether a virtual machine will be inactive during its assigned partition, and for activating a subsequently scheduled virtual machine for the duration of a partition that has been determined to have an inactive virtual machine.

[c23] A computer-readable storage medium, comprising:

a computer-executable code for establishing a plurality of virtual machines, establishing a plurality of partitions of processor time, assigning each virtual machine of the plurality of virtual machines to a specific partition of the plurality of partitions, determining whether a virtual machine will be inactive during its assigned partition, and for activating a reduced power mode for the duration of a partition that has been determined to have an inactive virtual machine.

A computer-readable storage medium, comprising:

a computer-executable code to establish a virtual machine schedule for activating a plurality of virtual machines, to determine whether a scheduled virtual machine will be inactive during its scheduled activation time, and to initiate a reduced power mode for the duration of an inactive virtual

[c24]

[c27]



machine's scheduled activation time.

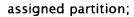
[c25] A computer-readable storage medium, comprising:

a computer-executable code to establish a virtual machine schedule for
activating a plurality of virtual machines, to determine whether a scheduled
virtual machine will be inactive during its scheduled activation time, and to
initiate reassignment, to another virtual machine, of a partition previously
assigned to a virtual machine that has been determined to be inactive.

[c26] A method, comprising the steps of:
establishing a virtual machine schedule for activating, on a single processor,
a plurality of virtual machines;
determining whether a scheduled virtual machine will be inactive during its
scheduled activation time; and
initiating processor entry of a reduced power mode for the duration of an
inactive virtual machine's scheduled activation time.

A method, comprising the steps of:
establishing a virtual machine schedule for activating, on a single processor,
a plurality of virtual machines;
determining whether a scheduled virtual machine will be inactive during its
scheduled activation time; and
initiating reassignment of an inactive virtual machine's scheduled activation
time to a virtual machine determined to be active.

[c28] A method, comprising the steps of:
establishing a plurality of JAVA virtual machines;
establishing a plurality of partitions of processor time;
assigning each JAVA virtual machine of the plurality of JAVA virtual machines
to a partition of the plurality of partitions;
running, on a single embedded low power JAVA processor, each JAVA virtual
machine during its assigned partition;
determining whether a JAVA virtual machine to be run has any action to
perform during its assigned partition and will thus be inactive during its



placing the single embedded low power JAVA processor into a reduced power mode during a partition assigned to the JAVA virtual machine that has been determined to be inactive by said determining step; and exiting the reduced power mode at the end of the partition assigned to the inactive JAVA virtual machine and placing the single embedded low power JAVA processor into a higher power mode.